

What is claimed is:

1. A heater chip for thermocompression bonding characterized by comprising a structure wherein a small projection-like thermocompression bonding portion heated up by conduction resistance is provided on a small plate-like body, on the head end of a reduced width, a cut is provided in the body, from the base end side toward the vicinity of the thermocompression bonding portion, both sides of the cut serves as a conduction terminal portion, a thermocouple for the temperature-detecting portion is installed in the vicinity of the thermocompression bonding portion, therein a projection portion for thermo-welding a temperature-detecting portion of the thermocouple is provided on the inner side surface of the cut or on the outer peripheral side surface of the body.
2. A heater chip for the thermocompression bonding of Claim 1 characterized in that the projection portion for thermo-welding is preferably provided deep inside the cut in a protruding condition and placed opposite to the thermocompression bonding portion.
3. A heater chip for thermocompression bonding of Claim 2 characterized in that the protruding length of the projection portion for thermo-welding, from the base end toward the apical surface where the temperature-detecting portion of the thermocouple is to be welded, is preferably 0.4 millimeter or more.
4. A heater chip for thermocompression bonding of Claim 1 characterized in that both joint ends of a pair of conducting wires are thermally fused so that the temperature-detecting portion is formed and also welded into the aforementioned projection portion for thermo-welding, and that each ridge of the apical surface of the projection portion for welding is covered with the wet-spreading periphery of the temperature-detecting portion so delamination with the lapse of time will not occur even in the body with an internal structure of multiple thin layers, and
5. A heater chip for thermocompression bonding of Claim 1 characterized in that a cut is preferably provided along the aforementioned cut so that a pair of conducting wires to make up the thermocouple can be run through and supported.